AMENDMENTS TO THE CLAIMS

Kindly amend the Claims, without prejudice, as shown below in the listing of claims. The listing of claims, shown below, will replace all prior versions, and listings, of claims in the instant Application:

Listing of Claims:

1. (Currently Amended) A pipe $\frac{\text{comprising}}{\text{consisting}}$ essentially of:

an ethylene alpha-olefin interpolymer, wherein said ethylene alpha-olefin interpolymer has a density in the range of 0.925 to 0.965 g/cc, a melt index (I_2) in the range of 0.05 to 5 g/10 minutes; and

an antioxidant system, wherein said antioxidant system consist essentially of;

from 500 to 5000 ppm of 3,3',3",5,5',5"-hexa-tert-butyl- α , α ', α "-(mesitylene-2,4,6-triyl)tri-p-cresol;

from at least 300 to 5000 ppm of Pentaerythritol
Tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate),
Octadecyl-3-(3,5-di-tert.butyl-4-hydroxyphenyl)-propionate, or
combinations thereof;

optionally one or more metal deactivators;

at least one antioxidant from a first class of antioxidants comprising a hindered phenol corresponding to the formula:

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wherein R₊ and R_o can independently be CH_o, —
CH(CH_o)_o, or C(CH_o)_o, and R_o, R_o, and R₊ can independently be H, or
any hydrocarbon or substituted hydrocarbon group, and wherein said
antioxidant from the first class is characterized as being more
than five percent soluble in a hexane solution at 20°C., and
further characterized as having a hydrolyzed product that is more
than five percent soluble in a hexane solution at 20°C., and
at least one antioxidant from a second class of

antioxidants comprising a hindered phenol corresponding to the

wherein R_1 and R_5 can be CH_3 , $CH(CH_3)_a$, or $C(CH_3)_a$, and R_4 , R_5 , and R_4 can independently be H_7 or any hydrocarbon or substituted hydrocarbon group, provided that R_2 , R_3 and R_4 are chosen, such that the antioxidant does not contain the moiety Ph-CHR $_5$ -Ph; or R_2 , R_3 and R_4 are chosen, such that the antioxidant does not contain the moiety Ph-CHR $_6$ -Ph; or R_2 , R_3 and R_4 are chosen, such that the antioxidant does not contain the moiety Ph-CHR $_6$ -Ph and wherein Ph represents a substituted or unsubstituted phenyl ring and R_6 can be H or a substituted or unsubstituted phenyl ring.

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wherein said pipe has an F time in Jana Laboratories Procedure APTF-2 of at least 1000 hours, under the following conditions: pH 6.8 (\pm 0.1); Chlorine 4.1 mg/L (\pm 0.1); Nominal ORP 830mV; fluid temperature 110°C (\pm 1); air temperature 110°C (\pm 1); pressure 70 psig (\pm 1); flow rate 0.1 US gallons/min (\pm 10 percent).

- 2. (Cancelled).
- 3. (Cancelled).
- 4. (Cancelled).
- (Cancelled).
- 6. (Cancelled).
- 7. (Cancelled).
- 8. (Previously Presented) The pipe of Claim 1, wherein the ethylene alpha-olefin interpolymer is multimodal.
- 9. (Previously Presented) The pipe of Claim 1, wherein the ethylene alpha-olefin interpolymer has a density in the range of 0.940 to 0.965 g/cc.
 - 10. (Cancelled).
 - 11. (Cancelled).
 - 12. (Cancelled).
- 13. (Previously Presented) The pipe of Claim 1, wherein said pipe has an F time in the range of greater than 1200 hours.

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